

JUL 08 2002

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	3
-------	---	----	---

Complete if Known

Application Number	09/997,162
--------------------	------------

Filing Date	11/29/2001
--------------------	------------

First Named Inventor	Jerome J. Cuomo
----------------------	-----------------

Art Unit	1741
----------	------

Examiner Name

Attorney Docket Number	297/104/2
------------------------	-----------

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code 2 (if known)				
YH	A1	US- 2001/0008656	A1	07/19/2001	Tischler et al.	
	A2	US- 6,288,417	B1	09/11/2001	Nickel et al.	
	A3	US- 6,265,289	B1	07/24/2001	Zheleva et al.	
	A4	US- 6,255,198	B1	07/03/2001	Linthicum et al.	
	A5	US- 6,225,650	B1	05/01/2001	Tadatomo et al.	
	A6	US- 6,221,684	B1	04/24/2001	Sugawara et al.	
	A7	US- 6,177,688	B1	01/23/2001	Linthicum et al.	
	A8	US- 6,153,010		11/28/2000	Kiyoku et al.	
	A9	US- 6,146,457		11/14/2000	Solomon	
	A10	US- 6,066,205		05/23/2000	Hunter	
	A11	US- 6,063,185		05/16/2000	Hunter	
	A12	US- 6,045,612		04/04/2000	Hunter	
	A13	US- 6,020,602		02/01/2000	Sugawara et al.	
	A14	US- 5,972,109		10/26/1999	Hunter	
	A15	US- 5,962,875		10/05/1999	Motoki et al.	
	A16	US- 5,954,874		09/21/1999	Hunter	
	A17	US- 5,919,305		07/06/1999	Solomon	
	A18	US- 5,915,194		06/22/1999	Powell et al.	
	A19	US- 5,876,573		03/02/1999	Moslehi et al.	
YH	A20	US- 5,858,086		01/12/1999	Hunter	

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

3/3/83

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	09/997.162
Filing Date	11/29/2001
First Named Inventor	Jerome J. Cuomo
Art Unit	1741
Examiner Name	
Attorney Docket Number	297/104/2

(use as many sheets as necessary)

Sheet 3 of 3

[illegible][illegible]

3/3/03

¹ Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



RECEIVED
JUL 11 2002
T 1700

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/997.162
		Filing Date	11/29/2001
		First Named Inventor	Jerome J. Cuomo
		Group Art Unit	1741
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	297/104/2	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>JK</i>	C1	HUANG ET AL., "Room-Temperature Ultraviolet Nanowire Nanolasers," Science, Vol. 292, p. 1897-1899, (June 8, 2001).	
	C2	YOSHIZAWA ET AL., "Growth of Self-Organized GaN Nanostructures on Al ₂ O ₃ (0001) by RF-Radical Source Molecular Beam Epitaxy," Jpn. J. Appl. Phys., Vol. 36, p. L459-L462, (April 15, 1997).	X
	C3	KUSAKABE ET AL., "Characterization of Overgrown GaN-Layers on Nano-Columns Grown by RF-Molecular Beam Epitaxy," Jpn. J. Appl. Phys., Vol. 40, p. L192-L194, (March 1, 2001).	X
<i>JK</i>	C4	HASHIMOTO ET AL., "Formation of GaN Nano-Column Structure by Nitridation," Materials Science Forum, Trans Tech Publications, Ltd. (Switzerland), Vols. 264-268, p. 1129-1132, (July 1, 1998).	X

Examiner Signature	<i>Anthony M. Boudet</i>	Date Considered	3/3/03
--------------------	--------------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.